

ABSTRACT OF THE DISCLOSURE

10025925-122701
TOP SECRET 92062001

A method and system for TIMEOUT message management in a serial bus bridged network includes (a) implementing a register table by a portal that contains a plurality of entries for storing respective remote timeout values from a portal's local bus to a particular destination bus in a same net, (b) intercepting a TIMEOUT response message addressed to the portal's local bus, (c) storing the remote timeout values for asynchronous transactions contained in the TIMEOUT response message intercepted in step (b), (d) forwarding the TIMEOUT response message intercepted in step (b) to the originally addressed node; (e) intercepting a TIMEOUT request message by the portal, (f) synthesizing timeout values by one of: retrieving or calculating, (g) sending the timeout values the sender of the TIMEOUT request. There may be intermediate buses connected between the source bus and the destination bus, and the intermediate busses may also intercept and store timeout values to eliminate the need to actually contact the destination each time the timeout values are required. An apparatus includes hardware for intercepting, retrieving and synthesizing a response message.